UNITED STATES COLSTRIP SW QUADRANGLE DEPARTMENT OF THE INTERIOR MONTANA-ROSEBUD CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) GEOLOGICAL SURVEY 4675 I NW (COLSTRIP WEST) 106°37′30″ 45°52′30″ 106°45′ 45°52′30″ 40" 42'30" 3 2 3 10 8 10 11 12 15 16 18 17 15 13 14 50' 22 20 21 19 22 23 24 47'30" T. 1 N. 14 (JIMTOWN) 4675 II NW SCALE 1:24000 106°37′30″ Base map from U.S. Geological Survey, 1971 UTM GRID AND 1971 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

COAL RESOURCE OCCURRENCE MAP OF THE COLSTRIP SW QUADRANGLE, ROSEBUD COUNTY, MONTANA

BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
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This report has not been edited for conformity with
U.S. Geological Survey editorial standards or

stratigraphic nomenclature.

EXPLANATION

____ 100 —

OVERBURDEN ISOPACH—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. The 100-foot isopach is omitted where it is too close to a mining-ratio contour for map readability. Isopach interval 200 feet (61 m).

BOUNDARY OF COAL 5 FEET OR MORE THICK—
Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal, and/or the 5-foot coal isopach, and/or the split line of the Rosebud coal bed. Arrows point toward area of coal 5 feet or more

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DRILL HOLE—Showing thickness of overburden, in feet, from the surface to the top of the coal bed.

MINING-RATIO CONTOUR—Number indicates cubic yards of overburden per ton of recoverable coal by surface-mining methods. Contours shown only in areas suitable for surface mining within the stripping limit.

To convert feet to meters, multiply feet by 0.3048.

To convert yds³/ton to m³/metric ton; multiply yds³/ton by 0.842.

PLATE 8

OVERBURDEN ISOPACH AND MINING-RATIO MAP OF THE LOWER ROSEBUD SPLIT OF THE ROSEBUD COAL BED